1 Instructions

1. The scrimmage will not be graded.
2. Attempt as many questions as you can.

2 Problems

1. Argue that if a programming language has a `while` statement, it does not need an `if` statement.
   *(Hint: Make the argument for the C programming language.)*

2. Write a Prolog-style fragment to implement the factorial function.

3. Write a functional-style (i.e., C with recursion) fragment for the problem of determining the number of digits of a positive integer.

4. Discuss how the following features have been promoted and violated in the C programming language: (a) Generality, and (b) Extensibility.